



CERTIFICATE OF FIRE APPROVAL

This is to certify that

The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

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|---------------------------|---|
| Manufacturer | Kent |
| Address | Les Près Loribes 59128 Flers en Escrebieux France |
| Type | MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE QUANTITIES OF SMOKE & TOXIC PRODUCTS OF COMBUSTION |
| Description | Fire Resisting Material - Type: "Assembly Adhesive HS" |
| Specified Standard | IMO Res. MSC.61(67)-(FTP Code) Annex 1 Part 5 and Annex 2 IMO MSC/Circ.1120 |

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

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|---------------|-----------------|-------------|-----------------|
| Date of issue | 24 October 2010 | Expiry date | 23 October 2015 |
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| Certificate No. | SAS F100357 |
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| Signed |  |
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| Sheet No | 1 of 2 |
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| Name | B. McDonald Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group |
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Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

DESIGN APPRAISAL DOCUMENT

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|-------------------------|--|
| Date 24 October 2010 | Quote this reference on all future communications LDSO/TA/FITA/BM |
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F100357

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Laboratoire National D'essais, Cedex, France, Fire Test Report No. E071295 CEMATE/17, dated 18 October 2004.

CONDITIONS OF CERTIFICATION

1. System consists of modified Silane adhesive when applied to a maximum application of 10mm thick.
2. Smoke and toxicity criteria is satisfied by meeting the total heat release (Q_t) and peak release rate (q_p) as stated in IMO Fire Test Procedures Code, Annex 1, Part 5 and Annex 2, section 2.2.
3. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.



Bruce McDonald
Statutory Fire & Safety Manager
London Design Support Office
Lloyd's Register EMEA

Supplementary Type Approval Terms and Conditions

This certificate and Design Appraisal Document relates to type approval, it certifies that the prototype(s) of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein, it does not mean or imply approval for any other use, nor approval of any products designed or manufactured otherwise than in strict conformity with the said prototype(s).

CERTIFICATE OF FIRE APPROVAL


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The product detailed below will be accepted for compliance with the applicable Lloyd's Register Rules and Regulations and with the International Convention for the Safety of Life at Sea, (SOLAS), 1974, as amended, for use on ships and offshore installations classed with Lloyd's Register, and for use on ships and offshore installations when authorised by contracting governments to issue the relevant certificates, licences, permits etc.

| | |
|---------------------------|---|
| Manufacturer | Kent |
| Address | Les Près Loribes 59128 Flers en Escrebieux France |
| Type | MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE QUANTITIES OF SMOKE & TOXIC PRODUCTS OF COMBUSTION |
| Description | Fire Resisting Material - Type: "Assembly Adhesive/Assembly Adhesive Fast" |
| Specified Standard | IMO Res. MSC.61(67)-(FTP code) Annex 1 Part 5 and Annex 2 IMO MSC/Circ.1120 |

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached Design Appraisal Document are complied with and the equipment remains satisfactory in service.

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|-----------------|-----------------|-------------|--|
| Date of issue | 24 October 2010 | Expiry date | 23 October 2015 |
| Certificate No. | SAS F100355 | Signed |  |
| Sheet No | 1 of 2 | Name | B. McDonald Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group |

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Lloyd's Register of any modification or changes to the equipment in order to obtain a valid Certificate.

"Lloyd's Register, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register Group'. The Lloyd's Register Group assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register Group entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract."

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| Document number SAS F100355 |
| Issue number 1 |

DESIGN APPRAISAL DOCUMENT

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| Date 24 October 2010 | Quote this reference on all future communications LDSO/TA/FITA/BM |
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F100355

This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Laboratoire National D'essais, Cedex, France, Fire Test Report No. E07125/15, dated 18 October 2004.

CONDITIONS OF CERTIFICATION

1. System consists of modified Silane adhesive when applied to a maximum application of 10mm thick.
2. Smoke and toxicity criteria is satisfied by meeting the total heat release (Q_t) and peak heat release rate (q_p) as stated in IMO Fire Test Procedures Code, Annex 2, section 2.2.
3. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.



Bruce McDonald
Statutory Fire & Safety Manager
London Design Support Office
Lloyd's Register EMEA

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CERTIFICATE OF FIRE APPROVAL

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| | |
|---------------------------|---|
| Manufacturer | Kent |
| Address | Les Près Loribes 59128 Flers en Escrebieux France |
| Type | MATERIAL HAVING LOW FLAME SPREAD CHARACTERISTICS & NOT CAPABLE OF PRODUCING EXCESSIVE QUANTITIES OF SMOKE & TOXIC PRODUCTS OF COMBUSTION |
| Description | Fire Resisting Material - Type: "Deck Caulk" |
| Specified Standard | IMO Res. MSC.61(67)-(FTP code) Annex 1 Part 5 and Annex 2 IMO MSC/Circ.1120 |

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| Date of issue | 24 October 2010 | Expiry date | 23 October 2015 |
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| Certificate No. | SAS F100356 | Signed |  |
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| Sheet No | 1 of 2 | Name | B. McDonald Surveyor to Lloyd's Register EMEA A Member of the Lloyd's Register Group |
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ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. SAS F100356


This Design Appraisal Document forms part of the Certificate.

APPROVAL DOCUMENTATION

Laboratoire National D'essais, Cedex, France, Fire Test Report No. E071295 CEMATE/19, dated 18 October 2004.

CONDITIONS OF CERTIFICATION

1. System consists of modified Silane adhesive when applied to a maximum application of 6mm thick.
2. Smoke and toxicity criteria is satisfied by meeting the total heat release (Q_t) and peak heat release rate (q_p) as stated in IMO Fire Test Procedures Code, Annex 2, section 2.2.
3. Production items are to be manufactured in accordance with a quality control system which shall be maintained to ensure that items are of the same standard as the approved prototype.



Bruce McDonald
Statutory Fire & Safety Manager
London Design Support Office
Lloyd's Register EMEA

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